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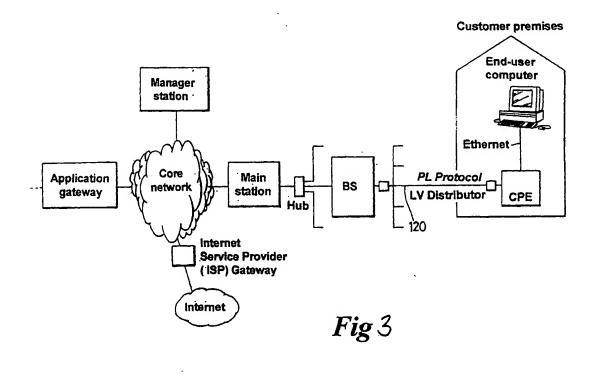
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(54) Multicarrier transmission on power lines

(57) An Orthogonal Frequency Division Multiplexed (OFDM) communications system comprising a communication station. The communications station includes a an OFDM transmitter comprising an encoder for encod-

ing digital information, a transmission means for transmitting said information and a sub-band allocation means arranged to allocate sub-bands by selecting from a set of pre-determined parameters.



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EUROPEAN SEARCH REPORT

Application Number

EP 99 30 7793

Category	Citation of document w of relevant p	ith indication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (int.Cl.7)	
X	PATENT ABSTRACTS vol. 1996, no. 02 29 February 1996 & JP 07 273741 A 20 October 1995 (* abstract *	OF JAPAN (1996-02-29) (TOSHIBA).	1-7,	H04L27/26 H04B3/54 H04H1/04	
1	EP 0 762 701 A (A TELEVISION BROADC 12 March 1997 (19 * figure 8 *	ASING LABORATORY)	1-7, 10-12		
,	subcarrier recove multi-carrier code system" EUROPEAN TRANSACTI FELECOMMUNICATIONS	e division multiplexing ONS ON ONS ON ONS ON ONS ON	1-7, 10-12	TECHNICAL FIELDS SEARCHED (INLCL7)	
*	figure 3 * P 0 939 527 A (S0	NA) 	1-7,	H94L H04B	
*	September 1999 (abstract; figure	 4 *	10-12		
	ne present search report has	ocon drawn up for all claims			
	ace of search	Date of completion of the search	Can-	Examiner	
	GORY OF CITED DOCUMENTS	19 February 2002		VEN P.	
: particula : particula : documen : technolo : non-writi	rly relevant if taken alone fly relevant if combined with anoth to fi the same category gical background en disclosure	L : document cited for ot	ent, but published application her reasons	d on, or	



Application Number

EP 99 30 7793

CLAIMO INGUERRINA TITO
CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-7,10-12



LACK OF UNITY OF INVENTION SHEET B

Application Number EP 99 30 7793

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-7, 10-12

Inclusion of symbols with larger than normal guard intervals

2. Claims: 8, 9, 13-16

Sub-band allocation by choosing between predetermined sets of parameters

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 7793

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-02-2002

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